

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s): John C. Harvey and James W.  
Cuddihy

Serial No.: 08/486,258

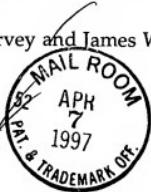
Filing Date: 7-Jun-95

For: SIGNAL PROCESSING APPARATUS  
AND METHODS

Assistant Commissioner for Patents  
Washington D.C. 20231

Group Art Unit: 2602

Examiner: J. Groody



**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 CFR 1.97(c)**

S I R:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. A copy of the listed reference is provided herewith.

It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the reference be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

**CERTIFICATION**

I hereby certify that no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /BL/

Respectfully submitted,

Dated: April 7, 1997

Thomas J. Scott, Jr. (Reg. No. 27,836)

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Buehrle Docket No. 5634.357	Serial No. 08/486,258
CITATION FORM		Applicant(s) John C. Harvey and James W. Cuddihy	
		Filing Date 7-Jun-95	Group Art Unit 2602

## UNITED STATES PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
27,810	November 20, 1973	Buehrle	325/321		
33,189	September 3, 1861	Dougal			
2,418,127	April 1, 1947	Labin	178/44		
2,563,448	August 7, 1951	Aram	178/5.1		
2,731,197	January 17, 1956	Parker et al.	235/60		16
3,071,649	January 1, 1963	Goodall	179/1.5		
3,107,274	October 15, 1963	Roschke	178/5.1		
3,133,986	May 19, 1964	Morris et al.	178/5.1		
3,251,051	May 10, 1966	Harries	340/345		
3,470,309	September 30, 1969	Nyberg	178/5.1		
3,478,166	November 11, 1969	Reiter et al.	178/5.1		
3,526,843	September 1, 1970	Sanville	329/104		
3,546,684	December 8, 1970	Maxwell et al.	340/172.5		
3,639,686	February 1, 1972	Walker et al.	178/5.8R		
3,649,749	March 14, 1972	Gibson	178/5.6		
3,651,261	March 21, 1972	Guanella	178/22		
3,666,888	May 30, 1972	Sekimoto	178/69.5 TV		
3,723,637	March 27, 1973	Fujio et al.	178/5.8R		
3,746,799	July 17, 1973	Gentges	178/22		
3,755,624	August 28, 1973	Sekimoto	178/69.5 TV		
3,769,579	October 30, 1973	Hamey	325/31		
3,773,979	November 20, 1973	Kirk, Jr. et al.	179/15 FD		
3,777,053	December 4, 1973	Wittig et al.	178/5.1		
3,789,131	January 29, 1974	Hamey	178/5.1		
3,794,922	February 26, 1974	Osborn et al.	325/53		
3,795,763	March 5, 1974	Golding et al.	178/5.6		
3,813,482	May 28, 1974	Blonder	178/5.1		
3,826,863	July 30, 1974	Johnson	178/5.1		
3,859,596	January 7, 1975	Jennery et. al.	325/31		
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3,885,089	May 20, 1975	Callais et al.	178/5.1		

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3,894,177	July 8, 1975	Howell et al.	178/5.6
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3,924,059	December 2, 1975	Horowitz	178/5.1
3,950,618	April 13, 1976	Bloisi	179/2 AS
3,958,081	May 18, 1976	Ehrsam et al.	178/22
3,975,585	August 17, 1976	Kirk, Jr. et al.	178/5.1
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3,996,586	December 7, 1976	Dillon et al.	340/347 DD
4,004,085	January 18, 1977	Makino et al.	340/324
4,008,369	February 15, 1977	Theurer et al.	358/84
4,013,875	March 22, 1977	McGlynn	235/150.2
4,015,286	March 29, 1977	Russell	358/13
4,017,697	April 12, 1977	Larson	200/5 A
4,019,201	April 19, 1977	Hartung et al.	358/124
4,020,419	April 26, 1977	Caspari et al.	325/421
4,024,574	May 17, 1977	Nieson	358/117
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4,027,267	May 31, 1977	Larsen	329/106
4,027,331	May 31, 1977	Nicol	358/135
4,042,958	August 16, 1977	Saylor et al.	358/141
4,044,376	August 23, 1977	Porter	358/84
4,045,814	August 30, 1977	Hartung et al.	358/124
4,054,911	October 18, 1977	Fletcher et al.	358/141
4,064,490	December 20, 1977	Nagel	364/2000
4,070,693	January 24, 1978	Shutterly	358/123
4,075,660	February 21, 1978	Horowitz	358/124
4,079,419	March 14, 1978	Seigle et al.	358/193
4,081,754	March 28, 1978	Jackson	325/308
4,081,832	March 28, 1978	Sherman	
4,086,434	April 25, 1978	Bocchi	79/2 AM
4,088,958	May 9, 1978	Suzuki et al.	325/396
4,091,417	May 23, 1978	Nieson	358/117
4,095,258	June 13, 1978	Sperber	358/123
4,096,542	June 20, 1978	Pappas et al.	361/196
4,104,681	August 1, 1978	Saylor et al.	358/141
4,107,734	August 15, 1978	Percy et al.	358/84
4,107,735	August 15, 1978	Frobach	358/84
4,112,317	September 5, 1978	Everswick	307/308
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4,126,762	November 21, 1978	Martin et al.	179/2A
4,135,213	January 16, 1979	Wintfield et al.	358/142
4,142,156	February 27, 1979	Freund	325/309
4,145,717	March 20, 1979	Guif et al.	358/121
4,148,066	April 3, 1979	Saylor	358/127
4,156,253	May 22, 1979	Steudel	358/11
4,156,931	May 29, 1979	Adelman et al.	364/900
4,163,252	July 31, 1979	Mistry et al.	358/118
4,180,709	December 25, 1979	Cosgrove et al.	179/2 AM
4,199,656	April 22, 1980	Saylor	178/66.1
4,199,781	April 22, 1980	Dourmit	358/83
4,199,809	April 22, 1980	Pasahow et al.	364/200
4,207,524	June 10, 1980	Purchase	375/22
4,214,273	July 22, 1980	Brown	358/188
4,215,366/ 31,735	November 13, 1984	Davidson	358/124
4,216,497	August 5, 1980	Ishman et al.	358/84
4,222,068	September 9, 1980	Thompson	358/120
4,225,884	September 30, 1980	Block et al.	358/122
4,245,246	January 13, 1981	Cheung	358/124
4,246,611	January 20, 1981	Davies	358/194
4,247,947	January 27, 1981	Miyamoto	455/38
4,250,521	February 10, 1981	Wright	358/8
4,258,386	March 24, 1981	Cheung	358/84
4,266,243	May 5, 1981	Shutterly	358/121
4,272,784	June 9, 1981	Saito et al.	358/127
4,273,962	June 16, 1981	Wolfe	179/7.1R
4,292,650	September 29, 1981	Hendrickson	358/123
4,295,155	October 13, 1981	Jarger et al.	358/12
4,301,542	November 17, 1981	Weintraub et al.	455/353
4,305,101	December 8, 1991	Yarbrough et al.	360/69
4,310,854	January 12, 1982	Baer et al.	358/143
4,316,217	February 16, 1982	Rifken	358/86
4,318,047	March 2, 1982	Dawson	328/112
4,323,921	April 6, 1982	Guillou	358/114
4,323,922	April 6, 1982	den Toonder et al.	358/117
4,329,711	May 11, 1982	Cheung	358/114
4,335,426	June 15, 1982	Maxwell et al.	364/200
4,340,906	July 20, 1982	den Toonder et al.	358/124
4,341,925	July 27, 1982	Frosch et al.	178/22.17
4,343,042	August 3, 1982	Schrock et al.	455/5
4,348,696	September 7, 1982	Bejer	358/188
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4,358,672	November 9, 1982	Hyatt et al.	235/380
4,360,881	November 23, 1982	Martinson	364/493
4,361,848	November 30, 1982	Poignet et al.	358/1
4,361,851	November 30, 1982	Asip et al.	358/84
4,361,903	November 30, 1982	Ohta	455/2
4,365,267	December 21, 1982	Tsuda	358/84
4,378,470	March 29, 1983	Murto et al.	179/2 C
4,382,256	May 5, 1983	Nagata	340/825.44
4,385,384	May 24, 1983	Rosbury et al.	371/22
4,386,436	May 31, 1983	Kocher et al.	455/151
4,388,643	June 14, 1983	Aminetzah	358/123
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4,390,898	June 28, 1983	Bond et al.	358/1199
4,390,901	June 28, 1983	Keiser et al.	358/147
4,392,135	July 5, 1983	Ohyagi	340/825.44
4,393,277	July 12, 1983	Besen et al.	179/2 A
4,408,345	October 4, 1983	Yashiro et al.	455/3
4,411,017	October 18, 1983	Talbot	455/26
4,414,621	November 8, 1983	Bown et al.	364/200
4,415,771	November 15, 1983	Martinez	179/5R
4,418,425	November 29, 1983	Fennel et al	455/27
4,424,533	January 3, 1984	Rzeszewski	358/167
4,425,578	January 10, 1984	Haselwood et al.	358/84
4,425,579	January 10, 1984	Merrell	358/86
4,425,664	January 10, 1984	Sherman et al.	375/8
4,427,968	January 24, 1984	York	340/310
4,429,385	January 31, 1984	Cichelli et al.	370/92
4,430,731	February 7, 1984	Gimple et al.	370/30
4,434,438	February 28, 1984	Rzeszewski	358/167
4,439,785	March 27, 1984	Leonard	358/120
4,450,481	May 22, 1984	Dickinson	358/114
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4,454,538	June 12, 1984	Toriumi	358/86
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4,471,352	September 11, 1984	Soulliard et al.	340/825.44
4,473,068	September 25, 1984	Oh	128/92D
4,475,123	October 2, 1984	Dumbauld et al.	358/114
4,476,535	October 9, 1984	Loshing et al.	364/480
4,484,218	November 20, 1984	Boland et al.	358/86
4,484,328	November 20, 1984	Schlafly	370/85
4,488,179	December 11, 1984	Kruger et al.	358/181
4,489,220	December 18, 1984	Oliver	179/2 AM
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4,494,142	January 15, 1985	Mistry	358/118
4,496,975	January 29, 1985	Noirel	358/147
4,504,831	March 12, 1985	Jahr et al.	340/870.03
4,506,387	March 9, 1985	Walter	455/612
4,510,623	April 9, 1985	Bonneau et al.	455/181
4,528,589	July 9, 1985	Block et al.	358/122
4,531,020	July 23, 1985	Wechselberger et al.	178/22.08
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4,540,849	September 10, 1985	Oliver	179/2 AM
4,543,616	September 24, 1985	Brooks	358/335
4,547,804	October 15, 1985	Greenberg	358/142
4,554,584	November 19, 1985	Elam et al.	358/165
4,558,464	December 10, 1985	O'Brien, Jr.	455/4
4,563,702	January 7, 1986	Heller et al.	358/119
4,566,030	January 21, 1986	Nickerson et al.	358/84
4,570,930	February 18, 1986	Matheson	273/1 E
4,578,536	March 25, 1986	Oliver et al.	179/2 AM
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4,592,546	June 3, 1986	Fascenda et al.	273/1 E
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4,594,609	July 10, 1986	Romao et al.	358/119
4,595,952	June 17, 1986	Filliman	358/47
4,600,918	July 15, 1986	Belisomi et al.	340/711
4,600,921	July 15, 1986	Thomas	340/825.31
4,605,964	August 12, 1986	Chard	358/147
4,611,227	September 9, 1986	Brockhurst et al.	358/147
4,613,901	September 23, 1986	Gilhousen et al.	358/122
4,621,259	November 4, 1986	Schepers et al.	340/707
4,621,285	November 4, 1986	Schilling et al.	358/120
4,623,920	November 18, 1986	Dufresne et al.	358/122
4,626,892	December 2, 1986	Nortrup et al.	358/21 R
4,633,297	December 30, 1996	Skarlos et al.	358/22
4,636,858	January 13, 1987	Hague et al.	358/147
4,638,357	January 20, 1987	Heimbach	358/121
4,639,779	January 27, 1987	Greenberg	358/142
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4,649,533	March 10, 1987	Chorley et al.	370/58
4,658,290	April 14, 1987	McKenna	358/84
4,677,685	June 30, 1987	Kurisu	455/4
4,694,490	September 15, 1987	Harvey et al.	380/20
4,704,725	November 3, 1987	Harvey et al.	380/48
4,706,121	November 10, 1987	Young	358/142
4,710,919	December 1, 1987	Oliver et al.	370/96
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4,723,302	February 2, 1988	Fulmer et al.	455/2
4,736,422	April 5, 1988	Mason	380/120
4,744,080	May 10, 1988	Brennand et al.	280/21
4,751,732	June 14, 1988	Kamitake	380/20
4,754,326	June 28, 1988	Kram et al.	364/900
4,768,144	August 30, 1988	Winter et al.	364/200
4,768,229	August 30, 1988	Benjamin et al.	380/20
4,782,401	November 1, 1988	Faerber et al.	358/335
4,785,420	November 15, 1988	Little	364/513.5
4,796,181	January 3, 1989	Wiedmer	364/406
4,803,725	February 7, 1989	Home et al.	380/44
4,805,020	February 14, 1989	Greenberg	358/147
4,807,031	February 21, 1989	Broughton et al.	358/142
4,809,274	February 28, 1989	Walker et al.	371/37
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4,837,799	June 6, 1989	Prohs et al.	379/224
4,839,917	June 13, 1989	Oliver	379/45
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4,843,482	June 27, 1989	Hegendorfer	358/335
4,849,817	July 18, 1989	Short	358/142
4,855,842	August 8, 1989	Hayes et al.	358/342
4,857,999	August 15, 1989	Welsh	358/84
4,862,268	August 9, 1989	Campbell et al.	358/141
4,864,615	September 5, 1989	Bennett et al.	380/21
4,876,736	October 24, 1989	Kiewit	455/2
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4,885,579	December 5, 1989	Sandbank	340/825.72
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4,888,638	December 19, 1989	Bohn	358/84
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4,959,720	September 25, 1990	Duffield et al.	358/191.1
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4,965,825	October 23, 1990	Harvey et al.	380/9
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4,975,951	December 9, 1990	Bennett	380/20
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5,010,459	April 23, 1991	Taylor et al.	362/85
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5,133,079	July 21, 1992	Ballantyne et al.	455/4.1
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	8/6/90 letter from Herb Zucker to Walter Ciciora with attachment ..
	Articles, information sheets under cover sheet "QVP - Pay Per View" 11/29/82
	National Cable Television Association report, "Videotex Services" "No Date" /BL/
	Scala Info Channel Advertisement, "The Art of Conveying A Message" "No Date" /BL/
"No Date" /BL/	Zenith Corporation's Z-Tac Systems information includes Z-tac specifications, access list, etc.
	Report by Cablesystems Engineering Ltd. on, "Zenith Addressable System and Operating Procedures" and Advertising documents "No Date" /BL/

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /BL/

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Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Memo from W. Thomas to G. Kelly on 1/21/82 Re: Modified ZTAC/Multi Channel "No Date" /BL/
	Notations by Walt Ciciora dated 8/19/81 referring to Virtext figures "No Date" /BL/
	Stamped Zenith Confidential, "Preliminary Specification for Basic Text" "No Date" /BL/
	Report titled "The Necams Business Plan," dated March 18, 1994
	The Personalized Mass Media Corp. reported titled, "Portfolio of Programming Examples" by Harvey, Keil, & Parker 1991
	Petition to FCC dated 3/26/81 titled, "Petition for Rulemaking of Unighted Kingdom Teletext Industry Goup," also 1 page of handwritten notes from Walter Ciciora "No Date" /BL/
	"Enhanced Computer Controlled Teletext for 525 Line Systems (Usecc) SAA 5245 User Manual" report by J.R. Kinghorn "No Date" /BL/
	"Questions and Answers about Pay TV" by Ira Kamen "No Date" /BL/
	Oak Industries 1981 Annual Report
	Article, "50 Different Uses For At Home 2-Way Cable TV Systems" by Morton Dubin "No Date" /BL/
	Derwent Info Ltd. search. Integrated broadcasting & Computer Processing system. Inventor J. Harvey/J. Cuddihy "No Date" /BL/
	Telefax from Arjen Hooiveld to Jones, Day, Reavis & Pogue Re: European Patent Appl. No. 88908836.5 and abstract plus related correspondence and Derwent search "No Date" /BL/
	Advertisement in royal TV Society Journal (1972) for PYE TTV "No Date" /BL/
	Letter to Dean Russell listing "reference papers", pp. 1-4 "No Date" /BL/
	Letter from George McKenzie to Dean Russell RE: PMM Corp., v. TWC Inc. "No Date" /BL/
	Reisebericht (German memo) "No Date" /BL/
	Blanpunkt (German memo) "No Date" /BL/
	"Relevant papers for Weather Channel V PMMC" "No Date" /BL/
	Letter to Peter Hatt Re: BVT: Advisory UK Industry Contact Group "No Date" /BL/
	Incomplete report on Antiope "No Date" /BL/
	Memo FCC: Next Moves. "No Date" /BL/
	Memo - Re: British Teletext - ABC "No Date" /BL/
	Memo with FCC Report and Order Authorizing Teletext Transmission "No Date" /BL/
	Manual "No Date" /BL/
	Notes to Section 22.4: Simple Block Encipherment Algorithm "No Date" /BL/
	Memos on Zenith and Teletext "No Date" /BL/
	Memo to Bernie Kotten about National Cable TV Association meeting and efforst to encourage Sony to integrate teletext chip sets into its TV "No Date" /BL/
	Memo's from Koteen & Naftalin "No Date" /BL/
	Description of patents from Official Gazette "No Date" /BL/
	Explanation of Collateral Estoppel "No Date" /BL/
	BNA's Intellectual Property Library on CD's summary of Jamesbury Corporation v. United States "No Date" /BL/
	BNA's Intellectual Property printouts of Lemelson v. Apple Computer, Inc. "No Date" /BL/
	ITC Judge Order denying Motion for Summary Judgment in the Matter of Certain Memory Devices with Increased Capacitance and Products Containing Same, Investigation #337-TA-371 "No Date" /BL/
	Decision in court case Corbett v. Chisolm and Schrenk involving patent #3,557,265 "No Date" /BL/
	Matthew Beaden Printouts regarding interference practice and the Board Interference "No Date" /BL/
	BNA's Intellectual Property Library on CD printouts about Corbett v. Chisolm "No Date" /BL/
	numerous Group W business cards including James Cuddihy "No Date" /BL/

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	numerous Group W business cards including James Cuddihy "No Date" /BL/
	The Broadcast Teletext Specification, published by the BBC, The IBA and the British Radio Equipment Manufacturers' Association (1976)
	Kahn, et al., "Advances in Packet Radio Technology,"..... Proceedings of the IEEE, Vol. 66, No. 11, Nov. (1978) pp. 1468-1495
	Clifford, C., "A Universal Controller for Text Display Systems," IEEE Transactions on Consumer Electronics, (1979) pp. 424-429
	Harden, B., "Teletext/Viewdata LSI," IEEE Transactions on Consumer Electronics, (1979), pp. 353-358
	Bown, H. et al., "Comparative Terminal Realizations with Alpha-Geometric Coding," IEEE Transaction on Consumer Electronics, (1980), pp. 605-614
	Crowther, "Dynamically Redefinable Character Sets--D.R.C.S.," IEEE Transaction on Consumer Electronics, (1980), pp. 707-716
	Chambers, John et al., "The Development of a Coding Hierarchy for Enhanced UK Teletext," IEEE Transaction on Consumer Electronics, (1981), pp. 536-540
	Reexamination of U.S. Patent No. 4,706,121
	U.S. Patent Application by T. Diepholz (Serial No. 266900)
	List of relevant or searched patents "No Date" /BL/
	88908836.5 and Amendments to John C. Harvey, European Patent Office
	88908836.5 International Application to John C. Harvey
	Kruger, H.E., "Memory Television, the ZPS Digital Identification System," pp. 1-9. "No Date" /BL/

EXAMINER	DATE CONSIDERED
/Brian Le/	09/02/2010
EXAMINER:Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).	

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